North Carolina Immunization Registry (NCIR)

Assessment Report
User Guide

Last Updated: January 14, 2022

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Overview

Overview

What is the North Carolina Immunization Registry (NCIR)?

The **North Carolina Immunization Registry (NCIR)** is a secure, web-based clinical tool which is the official source for North Carolina immunization information. Immunization providers may access all recorded immunizations administered in North Carolina, regardless of where the immunizations were given.

The purpose of NCIR is:

- To give patients, parents, health care providers, schools and child care facilities timely access to complete, accurate and relevant immunization data;

- To assist in the evaluation of a child's immunization status and identify children who need (or are past due for) immunizations;

- To assist communities in assessing their immunization coverage and identifying areas of under-immunization.

Now, let's get started!

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NCIR Assessment Report

NCIR Assessment Report

What is an Assessment?

An assessment is a standardized routine collection, analysis and summary of immunization records.

How Will the Assessment Report Help Me?

- Numbers only report- helps you see your immunization rates right away.

- Keep track of your clients' immunization status. Are they up to date? Do they need to come back in?

- Show the number of clients that could have been brought up to date with additional immunizations.

- Assessment of missed opportunities.

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NCIR Assessment Report

Why is it Important to Assess Immunization Rates?

- To increase immunization rates.

- To ensure complete Immunization Records.

- To identify pockets of need.

- To help immunization providers to understand their true coverage rates.

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NCIR Assessment Report

What Information Do you Need to Run the Report?

Evaluation Date:
- used to set the age range for the clients in the report.

Client Population:
- options are available based on what type of provider is requesting the assessment.

NCIR Assessment Report

To Run an Assessment Report

Private Providers should select the client population. Private Provider view:

Assessment Report

Select Client Population ...

○ All Clients Associated with Selected Site

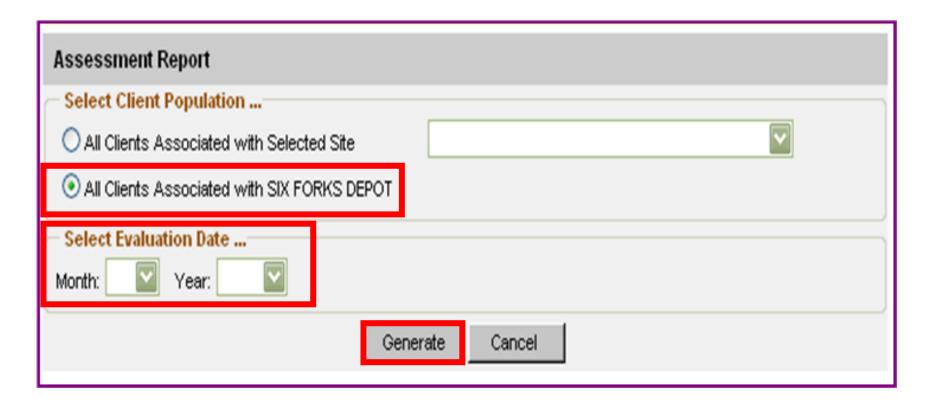◉ All Clients Associated with TEST ORGANIZATION

Health Department view:

Assessment Report

Select Client Population ...

○ All Clients Associated with Selected Site

◉ All Clients Associated with Alamance County Health Department

○ Clients Residing in Selected Counties below

○ Clients within Alamance County Health Department or Residing in Selected Counties

Choose Assessment Report

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NCIR Assessment Report

To Run an Assessment Report

Choose Assessment Report

NCIR Assessment Report

Report Status

Stage 1

If Status is **Complete** click on link under **Job name**

How to Understand the
NCIR Assessment Summary Report

Understanding the NCIR Assessment Summary Report

NCIR Assessment Summary

Verify the correct Client Population

Clients Associated with Provider: SIX FORKS DEPOT

Evaluation Date: 01/01/2009

Date Report Was Run: 07/27/2009

Note the **Date Report Was Run**

Age Group	Birth Date Range	Records Analyzed
36 - 72 Months of Age	01/01/2006 - 12/02/2002	12
24 - 35 Months of Age	01/01/2007 - 01/02/2006	8
12 - 23 Months of Age	01/01/2008 - 01/02/2007	6
< 12 Months of Age	01/01/2009 - 01/02/2008	4

Notice the **Evaluation Date** and how it corresponds to the **Birth Date Range**

Understanding the NCIR Assessment Summary Report

Age Groups

Age groups included are clients who are of the below age on the evaluation date that was entered when the report was generated.

- 36-72 months of age

- 24-35 months of age

- 12-23 months of age

- <12 months of age

Understanding the NCIR Assessment Summary Report

Review the Number of Records Analyzed

NCIR Assessment Summary

Clients Associated with Provider: SIX FORKS DEPOT

Evaluation Date: 01/01/2009   **Date Report Was Run:** 07/22/2009

Age Group	Birth Date Range	Records Analyzed
36 - 72 Months of Age	01/01/2006 - 12/02/2002	12
24 - 35 Months of Age	01/01/2007 - 01/02/2006	8
12 - 23 Months of Age	01/01/2008 - 01/02/2007	6
< 12 Months of Age	01/01/2009 - 01/02/2008	4

Verify the Birth Date Range corresponds with the Age Group(s) of interest. These Birth Date Ranges will be used to generate the Request Reminder report to identify clients who are not up to date.

Understanding the NCIR Assessment Summary Report

Important Information!

- **Records Analyzed** shows how many active clients were in each **Age Group** as of the **Date Report Was Run.**

- Data included in report is not updated in "real time."

- Changes made to a client's information during a particular day will not be reflected until the next day.

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Understanding the NCIR Assessment Summary Report

Immunization Status Report

The "1-4" notation refers to the footnotes about benchmarks.

Age(months)	Up-to-Date [1-4] (UTD)	Late [1-4] UTD@Assessment
Immunization Status		
36 - 72 Months of Age		
72	33.33%	33.33%
24	50.00%	50.00%
12	50.00%	66.67%
7	41.67%	66.67%
24 - 35 Months of Age		
24	50.00%	62.50%
12	75.00%	97.50%
7	62.50%	97.50%
12 - 23 Months of Age		
12	50.00%	93.33%
7	33.33%	93.33%
< 12 Months of Age		
7	25.00%	50.00%

1) UTD by 7 months equals 3 DtaP, 2 HepB, 2 HIB, 2 Polio
2) UTD by 12 months equals 3 DTaP, 2 HepB, 2 HIB, 2 Polio.
3) UTD by 24 months equals 4 DTaP, 3 HepB, 3 HIB, 1 MMR, 3 Polio.
4) UTD by 72 months equals 5 DtaP, 3 HepB, 4 HIB, 2 MMR, 4 Polio
Late UTD equals the same benchmark for the age group, but it is assessed on the date the report was run

Understanding the NCIR Assessment Summary Report

Immunization Status Report

Use months of age as your initial target group.
- This is the % UTD for the 2 year olds.

Age(months)	Up-to-Date [1-4] (UTD)	Late [1-4] UTD@Assessment
Immunization Status		
36 - 72 Months of Age		
72	33.33%	33.33%
24	50.00%	50.00%
12	50.00%	66.67%
7	41.67%	66.67%
24 - 35 Months of Age		
24	50.00%	62.50%
12	75.00%	97.50%
7	62.50%	97.50%
12 - 23 Months of Age		
12	50.00%	93.33%
7	33.33%	93.33%
< 12 Months of Age		
7	25.00%	50.00%

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Late UTD equals the same benchmark for the age group, but it is assessed on the date the report was run

Understanding the NCIR Assessment Summary Report

What I Need to Know

Age Group	Birth Date Range	Records Analyzed
24 – 35 Months of Age	01/01/2007 – 01/02/2006	8 .

Immunization Status		
Age (months)	Up-to-Date (UTD)	Late UTD @ Assessment
24 – 35 Months of Age		
24^1	50.00%	62.50%
12^2	75.00%	87.50%
7^3	62.50%	87.50%

1) UTD by 24 months equals 4 DTaP, 3 HepB, 1 MMR, 3 HIB, 3 Polio
2) UTD by 12 months equals 3 DTaP, 2 HepB, 2 HIB, 2 Polio
3) UTD by 7 months equals 3 DTaP, 2 HepB, 2 HIB, 2 Polio

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Understanding the NCIR Assessment Summary Report

A Look at Each Individual Vaccine at Different Ages (Benchmarks)

A "benchmark" is used as a standard for measuring or assessing something.

Age Specific Immunizations Benchmarks							
UTD Grid	**DTap**	**Hep B**	**Hib**	**MMR**	**Polio**	**Prevnar**	**Varicella**
@ 3 months	1	1	1		1	1	
@ 5 months	2	2	2		2	2	
@ 7 months	3	2	2		2	2	
@ 9 months	3	2	2		2	2	
@ 12 months	3	2	2		2	2	
@ 16 months	4	3	3	1	3	3	1
@ 19 months	4	3	3	1	3	3	1
@ 21 months	4	3	3	1	3	3	1
@ 24 months	4	3	3	1	3	3	1
@ 72 months	5	3	4	2	4	4	1

The <u>Age Specific Immunization Benchmarks</u> grid shows how many vaccines are needed to be considered UTD at specific age milestones.

Understanding the NCIR Assessment Summary Report

Clients are Considered UTD at **24 Months** if They Have Received:

4 DTaP, 3 HepB, 3 Hib, 1 MMR, 3 Polio, 3 Prevnar, and 1 Varicella

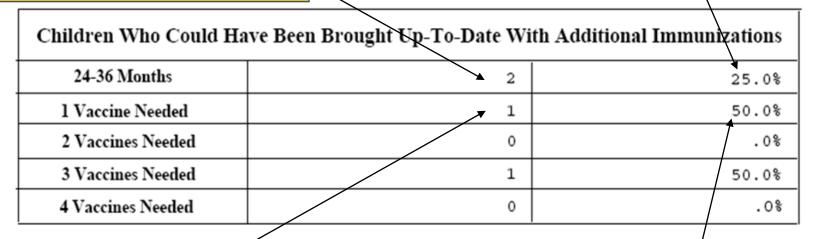| Age Specific Immunizations Benchmarks							
UTD Grid	DTap	Hep B	Hib	MMR	Polio	Prevnar	Varicella
@ 3 months	1	1	1		1	1	
@ 5 months	2	2	2		2	2	
@ 7 months	3	2	2		2	2	
@ 9 months	3	2	2		2	2	
@ 12 months	3	2	2		2	2	
@ 16 months	4	3	3	1	3	3	1
@ 19 months	4	3	3	1	3	3	1
@ 21 months	4	3	3	1	3	3	1
@ 24 months	4	3	3	1	3	3	1
@ 72 months	5	3	4	2	4	4	1

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Clients who could have been UTD with ONE additional visit
This represents 25.0% of the total clients in this age group.

There were 2 clients 24-36 months of age who could have been UTD with additional immunizations

This represents 25.0% of the total clients in this age group

Children Who Could Have Been Brought Up-To-Date With Additional Immunizations		
24-36 Months	2	25.0%
1 Vaccine Needed	1	50.0%
2 Vaccines Needed	0	.0%
3 Vaccines Needed	1	50.0%
4 Vaccines Needed	0	.0%

1 client needed only 1 vaccine to be brought UTD

That 1 client represents 50.0% of the 2 clients who could have been brought UTD

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Understanding the NCIR Assessment Summary Report

Late Start or Dropped Off Schedule After a Good Start

- The upper portion of table shows Late Start Rates for 3 different age groups.

- The lower portion of table displays <u>Drop Off Rates</u> for 5 different age groups.

Children Who Got A Late Start or Have Dropped Off Schedule After A Good Start			
Late Start Rates[1]	Beginning > 3 mo. age	16.7%	36-72 mo. age group
		12.5%	24-35 mo. age group
		16.7%	12-23 mo. age group
Drop Off Rates	60-72	20.0%	24 month status[2]
	48-59	40.0%	24 month status
	36-47	.0%	24 month status
	24-35 mo. age	25.0%	24 month status
	12-23 mo. age	33.3%	12 month status[3]

Calculating the Drop Off Rate

Children Who Got A Late Start or Have Dropped Off Schedule After A Good Start			
Late Start Rates[1]	Beginning > 3 mo. age	16.7%	36-72 mo. age group
		12.5%	24-35 mo. age group
		16.7%	12-23 mo. age group
Drop Off Rates	60-72	20.0%	24 month status[2]
	48-59	40.0%	24 month status
	36-47	.0%	24 month status
	24-35 mo. age	25.0%	24 month status
	12-23 mo. age	33.3%	12 month status[3]

1) A client who did not receive dose 1 of DTAP by 90 days is considered to have gotten a Late Start.
2) Drop off rate @ 24 months of age equals % of clients who had 1 DTaP by 6 months of age minus % of clients who had 4 DTaP by 24 Months.
3) Drop off rate @ 12 months of age equals % of clients who had 1 DTaP by 6 months of age minus % of clients who had 3 DTaP by 12 Months.

DTaP is the equivalent of a DTaP, a DTP or a DT.

Footnote

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Understanding the NCIR Assessment Summary Report

No Birth Dose of Hep B and Have Not Completed the 3 Dose Series

Clients Who Do Not Have a Birth Dose of HepB and Have Not Completed the 3 Dose Series		
	Number[4]	Percent[5]
Clients Missing Birth Dose Of Hep B	4	14.8%

4) Count of Clients who do not have a birth dose and did not complete the 3 dose Hep B series. These clients must be between 6 months and 72 months old on evaluation date and have at least 1 immunization in NCIR.

5) Per cent of all clients (between 6 and 72 months old with at least 1 immunization in NCIR) who do not have a birth dose and did not complete the 3 dose Hep B series.

Note the footnotes here for further clarification of the clients being assessed

Understanding the NCIR Assessment Summary Report

Missed Opportunities

A missed opportunity is defined as a client receiving one or more doses of a vaccine at a visit and was due to receive additional doses but did not.

Missed Opportunity Assessment

Age Group on Evaluation Date	Total Clients in Age Group	Clients Not up to Date		Missed Opportunity on Last Visit	
		Count	Percent	Count	Percent
<12 months 7 month benchmark	4	3	75.00%	1	33.3%
12-23 months 12 month benchmark	6	3	50.00%	2	66.7%
24-35 months 24 month benchmark	8	4	50.00%	3	75.0%
36-72 months 24 month benchmark	12	6	50.00%	2	33.3%

NOTE: Missed opportunity on last visit may reflect *incomplete documentation of immunization histories* rather than true missed opportunities for simultaneous vaccination

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Where to Go for More Help?

Questions?

Contact your Regional Immunization Program Consultant (RIC)
The RIC Coverage Map with contact information is located on the Immunization Branch website:
https://www.immunize.nc.gov/contacts.htm

NC Vaccines Help Desk
1-877-873-6247
(Monday – Friday 7:00 AM – 7:00 PM ET and Saturday 8:00 AM – 4:00 PM ET)
https://ncgov.servicenowservices.com/csm_vaccine?id=immunizations&sys_id=69f035b11b037c9099510f6fe54bcbee

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Appendix

NCIR Roles

NCIR Role	Role Definition	Corollary Role in CVMS
Reports Only	This person in NCIR is only able to search for clients and view/print client specific records.	N/A
Typical User	Person who can manage, including add and edit, clients in NCIR, as well as manage inventory and ordering. This role also has all of the functionality of the Reports Only role.	Healthcare Provider
Inventory Control	Person who can manage inventory and ordering, as well as all of the functionality of the Typical user and Reports Only roles.	N/A
Administrator	Person who can manage organization users, sites, and clinicians in NCIR. They run practice-level reports, including reminder/recall. This role also has all of the functionality of the Reports Only, Typical User, and Inventory Control roles.	Location Manager

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